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## SYSTEM FOR IMPROVED RATIOMETRIC EXPANSION AND METHOD THEREOF

## **ABSTRACT OF THE DISCLOSURE**

A system and method are described for providing an improved ratiometric expansion of video images. Source video images are set to a lower resolution than the full resolution of a pixelated display device. The source video images are up-scaled to match the display resolution of the display device. Pixels in the source video image are replicated to form a partially up-scaled video image that has frequency content well below the Nyquist rate of the image. The replicated image is then re-sampled through the use of a two-tap filter to generate a video image with the same resolution as the display device.